

**SYSTEMS AND METHODS FOR GENERATING ERROR CORRECTION  
INFORMATION FOR A MEDIA STREAM**

Abstract of the Disclosure

The present invention is related to video encoding. In an embodiment, a first instruction stored in processor readable memory is configured to generate forward error correction data for selected portions of packet data from a plurality of frame packets. A second instruction stored in processor readable memory is configured to store the forward error correction data in a first packet separate from the plurality of frame packets. A third instruction stored in processor readable memory is configured to identify the first packet with a user data identifier code. The separate packet is optionally compliant with MPEG-4.

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